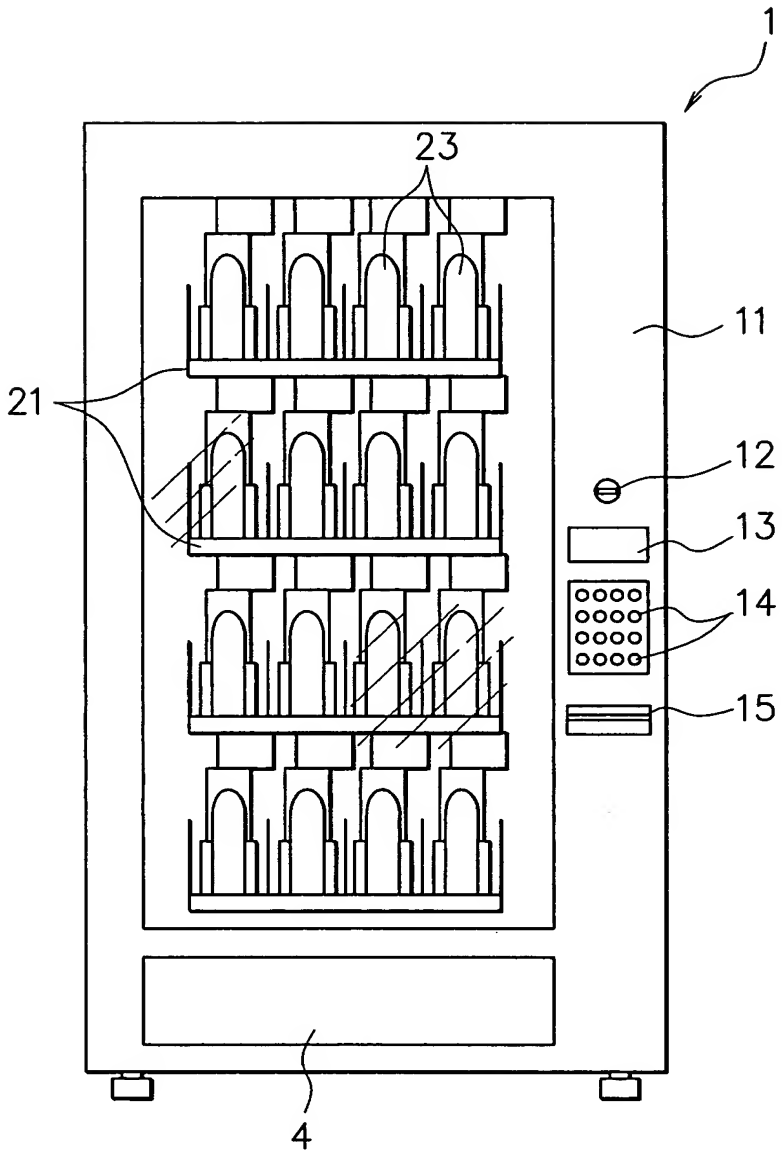
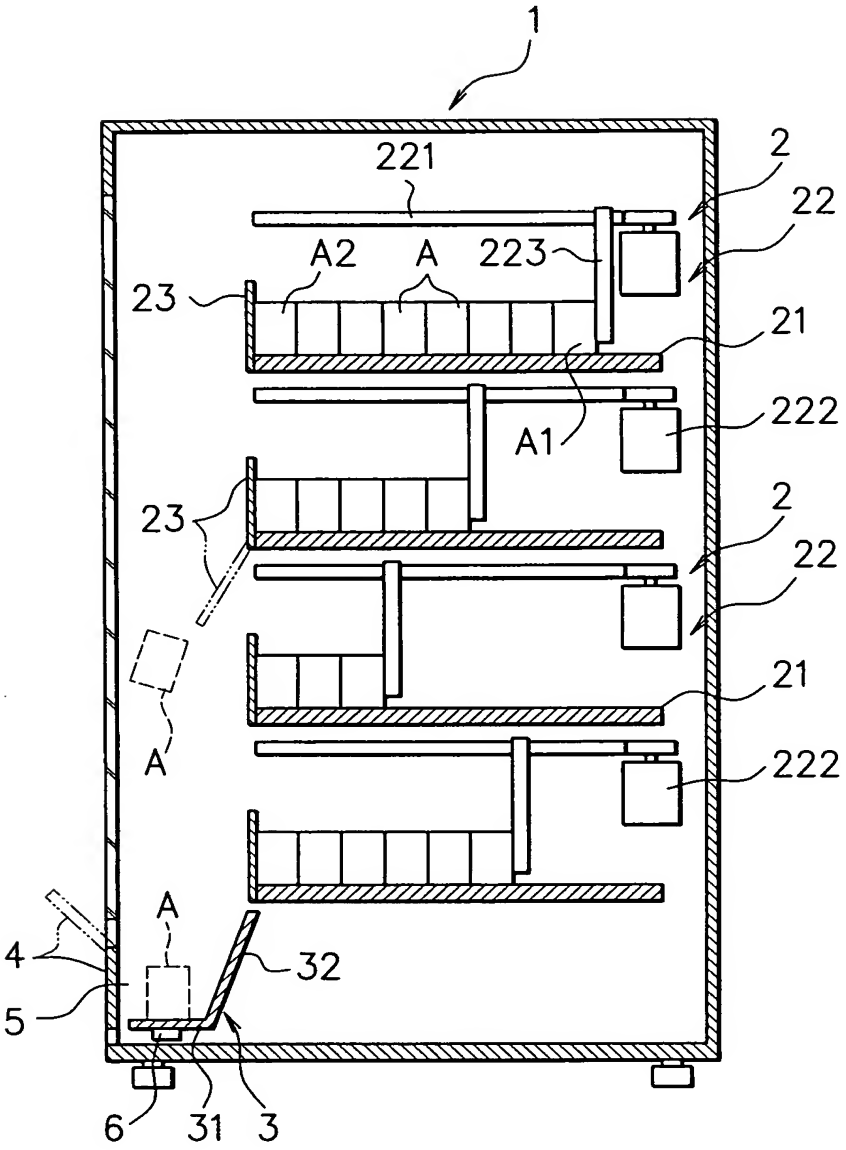
F I G. 1



F I G. 2



F I G. 3

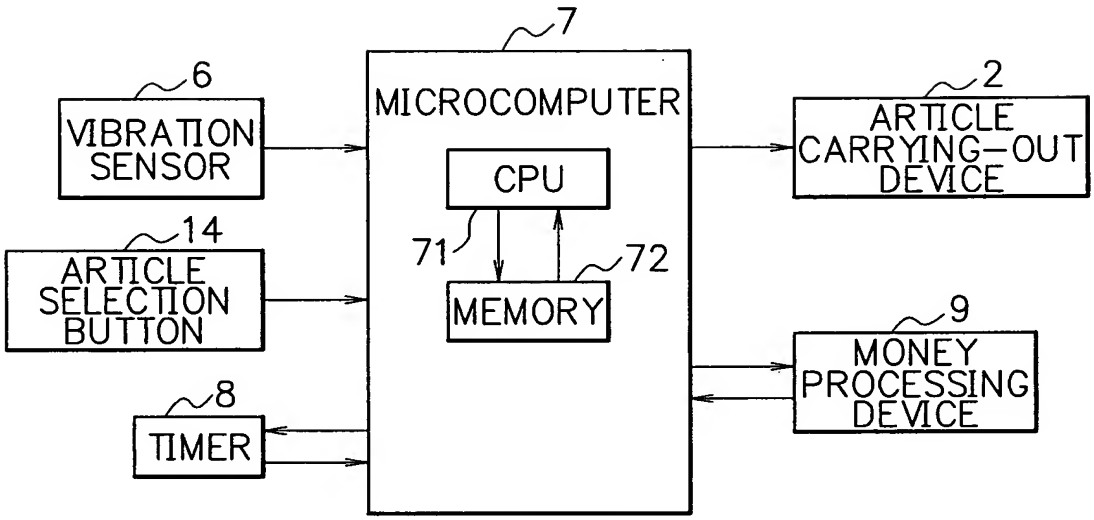

7
MICROCOMPUTER
CPU
71
72
MEMORY
6
VIBRATION SENSOR
14
ARTICLE SELECTION BUTTON
8
TIMER
2
ARTICLE CARRYING-OUT DEVICE
9
MONEY PROCESSING DEVICE

FIG. 4

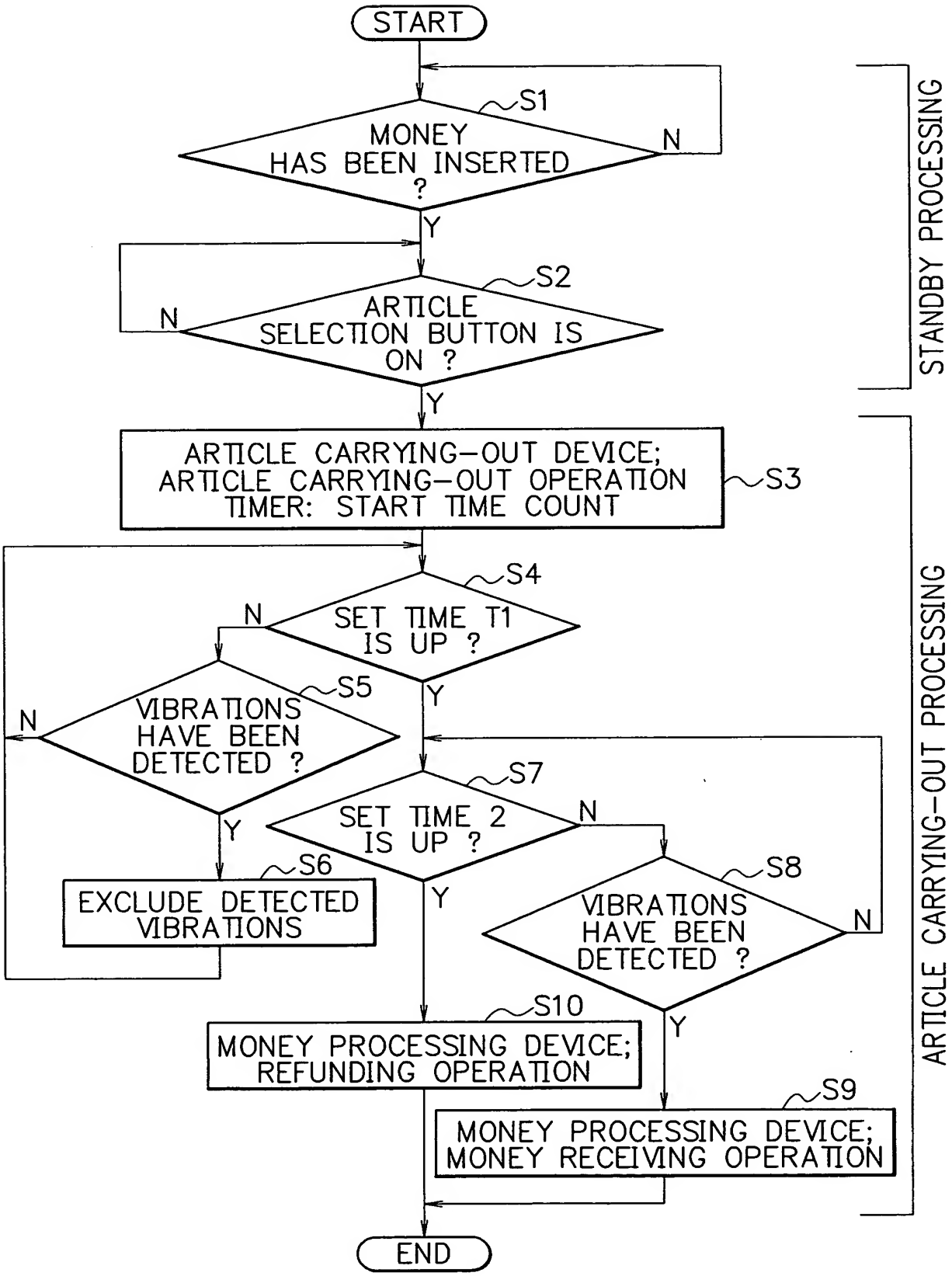
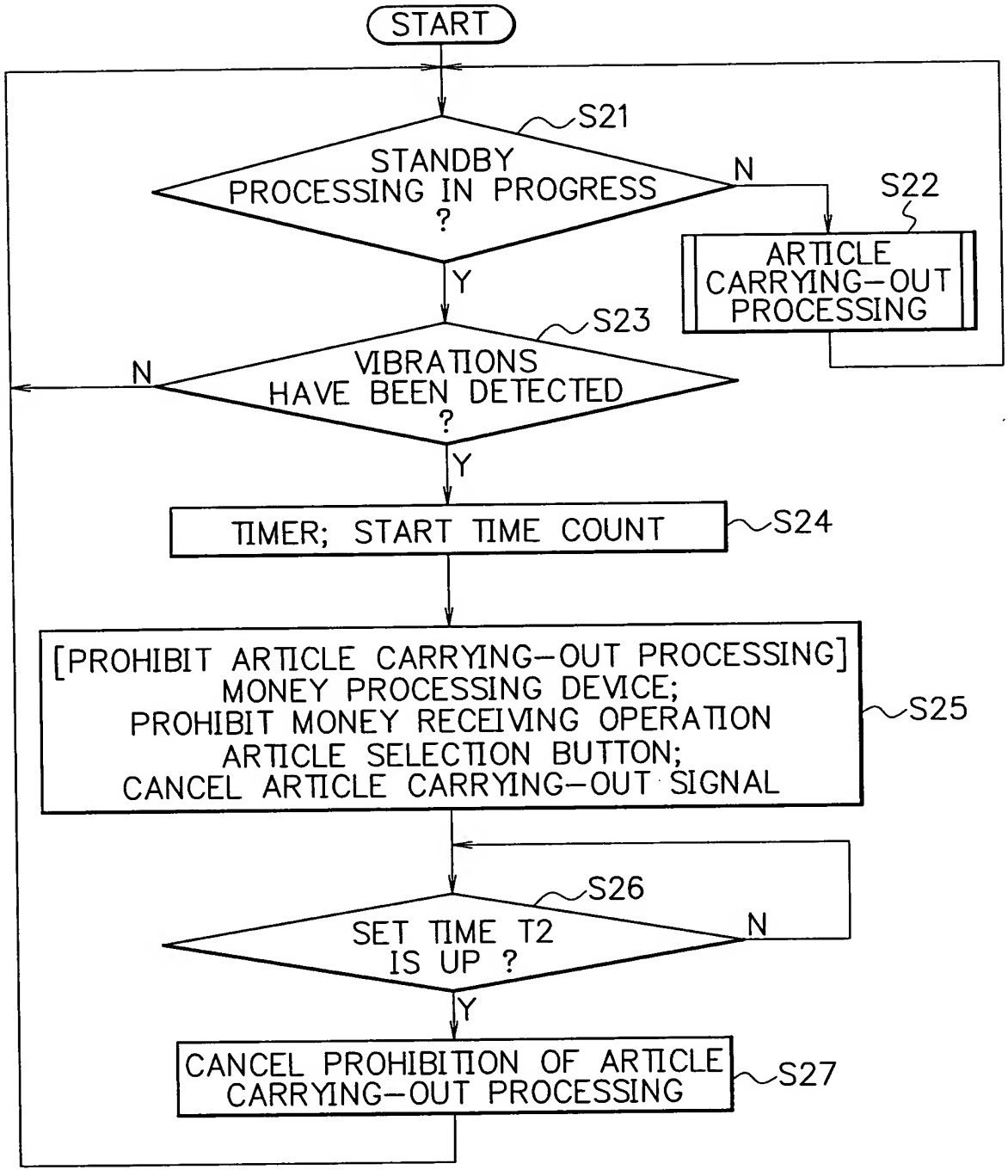
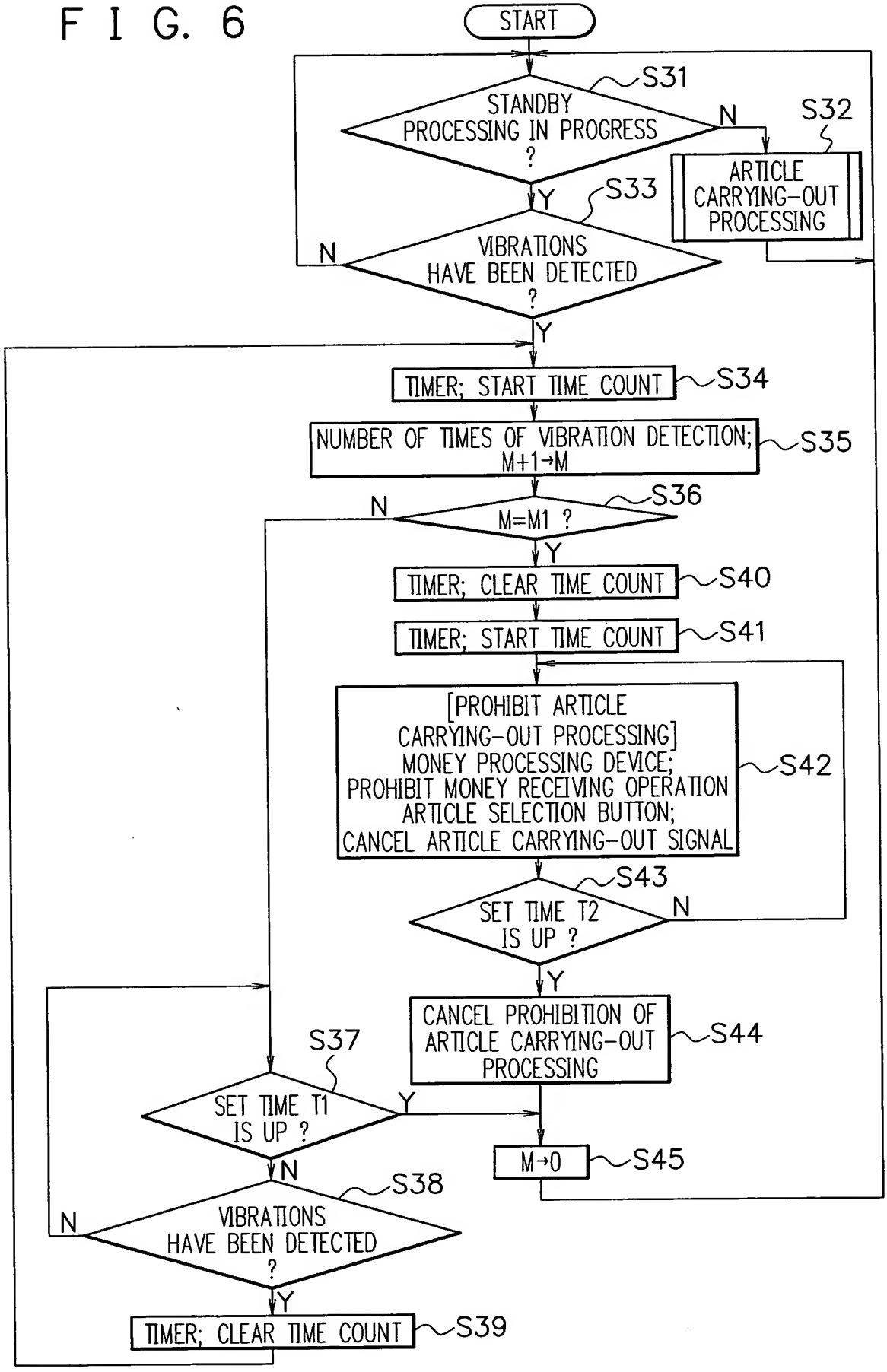

START
S1
MONEY HAS BEEN INSERTED ?
N
Y
S2
ARTICLE SELECTION BUTTON IS ON ?
N
Y
STANDBY PROCESSING
ARTICLE CARRYING-OUT DEVICE; ARTICLE CARRYING-OUT OPERATION TIMER: START TIME COUNT
S3
S4
SET TIME T1 IS UP ?
N
Y
S5
VIBRATIONS HAVE BEEN DETECTED ?
N
Y
S6
EXCLUDE DETECTED VIBRATIONS
S7
SET TIME 2 IS UP ?
N
Y
S8
VIBRATIONS HAVE BEEN DETECTED ?
N
Y
S10
MONEY PROCESSING DEVICE; REFUNDING OPERATION
S9
MONEY PROCESSING DEVICE; MONEY RECEIVING OPERATION
ARTICLE CARRYING-OUT PROCESSING
END

FIG. 5


START
S21
STANDBY PROCESSING IN PROGRESS ?
N
S22
ARTICLE CARRYING-OUT PROCESSING
Y
S23
VIBRATIONS HAVE BEEN DETECTED ?
N
Y
TIMER; START TIME COUNT
S24
[PROHIBIT ARTICLE CARRYING-OUT PROCESSING]
MONEY PROCESSING DEVICE;
PROHIBIT MONEY RECEIVING OPERATION
ARTICLE SELECTION BUTTON;
CANCEL ARTICLE CARRYING-OUT SIGNAL
S25
S26
SET TIME T2 IS UP ?
N
Y
CANCEL PROHIBITION OF ARTICLE CARRYING-OUT PROCESSING
S27

F I G. 6


START
S31
STANDBY PROCESSING IN PROGRESS ?
N
S32
ARTICLE CARRYING-OUT PROCESSING
Y
S33
VIBRATIONS HAVE BEEN DETECTED ?
N
Y
TIMER; START TIME COUNT
S34
NUMBER OF TIMES OF VIBRATION DETECTION; M+1→M
S35
S36
N
M=M1 ?
Y
TIMER; CLEAR TIME COUNT
S40
TIMER; START TIME COUNT
S41
[PROHIBIT ARTICLE CARRYING-OUT PROCESSING]
MONEY PROCESSING DEVICE;
PROHIBIT MONEY RECEIVING OPERATION
ARTICLE SELECTION BUTTON;
CANCEL ARTICLE CARRYING-OUT SIGNAL
S42
S43
SET TIME T2 IS UP ?
N
Y
CANCEL PROHIBITION OF ARTICLE CARRYING-OUT PROCESSING
S44
S37
SET TIME T1 IS UP ?
Y
N
M→0
S45
S38
N
VIBRATIONS HAVE BEEN DETECTED ?
Y
TIMER; CLEAR TIME COUNT
S39